

NLAPS CORRECTION PROCESSING REPORT

NLAPS Version:	4_1_11e8	Priority:	3
Work Order:	011011003014300001	Sensor:	ETM+
Satellite:	Landsat-7	Sensor Mode:	N/A
Camera Number:	N/A		
Input Data Ident:	/diskIngest1/temp/01101100301430001/L72EDC1900168		
Input Media Type:	Disk	File Number:	N/A
Orbit Number:	86663		
Processing Level:	Precision Geocorrection	Resampling:	CC
Map Projection:	SPCS	Zone:	4602
Earth Ellipsoid:	NAD83	Product Orient.:	Map North
Projection Params:			
	0.0000000000000000e+00	0.0000000000000000e+00	0.0000000000000000e+00
	0.0000000000000000e+00	0.0000000000000000e+00	0.0000000000000000e+00
	0.0000000000000000e+00	0.0000000000000000e+00	0.0000000000000000e+00
	0.0000000000000000e+00	0.0000000000000000e+00	0.0000000000000000e+00
	0.0000000000000000e+00	0.0000000000000000e+00	0.0000000000000000e+00
Line Spacing:	030.0	Pixel Spacing:	030.0
Path/Strip no.:	043	Start Row no.:	026.0
		End Row no.:	N/A
Image Lines:	7051	Image Pixels:	7419
Image Orientation:	0.00 deg from N	Output Bands:	123456789
Viewing Angle:	0.04 deg		
Scene center lat:	48.869 deg	Scene center long:	-116.710 deg
Sun Elevation:	60.27 deg	Sun Azimuth:	141.24 deg
Scene center date:	2000 06 16	Scene center time:	18:28:33.9816
Output Media:	Disk	Output Product Id:	N/A
Product Format:	NDF	Interleaving :	BSQ
Catalogued:	FALSE		
Completion date:	2001 10 12	Completion time:	11:55:12
Termination Status:	Successful Completion		

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DETAILED PROCESSING RESULTS

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MODEL REFINEMENT STATISTICS

Number of CPs in model: 14

Error	Mean (m)	RMS (m)	Std Dev (m)
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Along Track	1.84	7.05	6.81
Across Track	1.43	8.80	8.68
Height	-0.18	0.69	0.67
Combined	2.33	11.30	11.05

Num	Mark	Kind	Location		Height	Residuals			Comb
			Lat	Long		Along	Across	Height	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
8137	Auto	SCP	48.79	-116.82	859.99	2.89	14.44	-0.12	14.73
8215	Auto	RCP	48.14	-116.18	633.98	-3.01	-0.61	-0.06	3.07
8212	Auto	RCP	48.15	-117.16	731.00	4.56	-0.20	0.00	4.56
8018	Auto	RCP	48.31	-118.15	415.21	-6.63	-5.87	0.81	8.89
7833	Auto	RCP	49.25	-115.85	944.88	-11.09	-12.23	-0.95	16.54
26556	Auto	RCP	49.10	-117.71	402.45	-0.33	6.45	-0.78	6.50
26555	Man	RCP	49.44	-117.52	457.00	5.67	12.18	-1.41	13.51
7832	Man	RCP	49.34	-116.57	1889.76	9.41	-15.07	0.10	17.77
8141	Man	SCP	48.54	-117.61	942.66	-1.28	14.41	-1.23	14.52
7835	Man	RCP	49.03	-117.29	701.04	13.18	-0.33	0.02	13.19
7718	Man	RCP	49.66	-117.10	1828.80	-0.07	-1.01	0.08	1.02
8133	Man	RCP	48.73	-115.64	1159.92	-1.47	8.03	1.01	8.23
8138	Man	SCP	48.43	-116.45	669.56	13.88	-0.20	0.00	13.88
7817	Man	RCP	49.07	-116.14	849.17	0.00	0.01	0.00	0.01

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RADIOMETRIC CORRECTION

Algorithm: NASA

Band	Ref Detector	DN to Radiance gain	Radiance offset	Default Abs Calib?
1	15	0.775686	-6.20000	FALSE
2	12	0.795686	-6.39999	FALSE
3	8	0.619216	-5.00000	FALSE
4	7	0.965490	-5.10001	FALSE
5	14	0.125725	-0.99999	FALSE
6	8	0.066823	0.000000	FALSE
7	10	0.043726	-0.35000	FALSE
8	27	0.971765	-4.70000	FALSE
9	8	0.037059	3.200000	FALSE

DEM PROCESSING

Elevation Correction Applied: Fine DEM
LineSpacing: 3.000000000000000e+01
LineSpacingUnits: meters
PixelSpacing: 3.000000000000000e+01
PixelSpacingUnits: meters

DEM Files Used

washcanus_elev2

GEOMETRIC QUALITY ASSESSMENT

Number of QA CPs: 11

Error	Mean (m)	RMS (m)	Std Dev (m)
Along Track	-2.36	12.78	12.56

Across Track	3.87	13.05	12.46
Height	0.00	0.00	0.00
Combined	4.53	18.26	17.69

Num	Mark	Kind	Location		Height	Along	Residuals		
			Lat	Long			Across	Height	Comb
8211	Man	RCP	48.24	-116.11	853.00	-0.46	-22.52	0.00	22.52
8198	Man	RCP	48.17	-116.76	649.26	-15.02	-0.01	0.00	15.02
8132	Man	RCP	48.57	-116.95	792.00	-7.52	0.00	0.00	7.52
8014	Man	RCP	48.76	-116.09	804.67	0.02	-15.02	0.00	15.02
7990	Man	RCP	48.81	-117.59	913.23	-15.02	-0.01	0.00	15.02
7989	Man	RCP	48.37	-117.86	504.76	-4.82	16.92	0.00	17.59
26554	Man	RCP	49.34	-117.77	413.82	-0.30	15.02	0.00	15.02
7938	Man	RCP	49.00	-117.00	1942.20	-7.50	7.51	0.00	10.62
7828	Man	RCP	49.33	-116.38	974.59	10.01	10.01	0.00	14.16
24981	Man	SCP	49.70	-117.48	592.94	-15.03	15.03	0.00	21.25
7725	Man	RCP	49.48	-116.64	1905.00	29.72	15.66	0.00	33.59

RADIOMETRIC QUALITY ASSESSMENT

NOTE:

Mean, Std.Dev, Striping are in DN's (Digital Numbers).

Band	Chip Line	Location Pixel	Chip Lines	Size Pixels	Mean	Std Dev	Striping
1	1197.60	1268.00	128	128	66.71	1.780	0.1882
1	2394.20	2535.00	128	128	130.11	17.904	1.2682
1	3590.80	3802.00	128	128	73.13	19.659	1.2120
1	4787.40	5069.00	128	128	73.32	18.367	0.8871
2	1197.60	1268.00	128	128	53.80	2.036	0.1646
2	2394.20	2535.00	128	128	109.89	20.173	1.1795
2	3590.80	3802.00	128	128	57.59	20.667	1.7571
2	4787.40	5069.00	128	128	59.65	17.995	1.1483
3	1197.60	1268.00	128	128	43.58	2.660	0.1813
3	2394.20	2535.00	128	128	103.55	26.427	0.8517

3	3590.80	3802.00	128	128	53.81	23.105	1.6934
3	4787.40	5069.00	128	128	57.34	16.983	1.3539
4	1197.60	1268.00	128	128	73.88	3.535	0.4316
4	2394.20	2535.00	128	128	74.74	8.445	0.2336
4	3590.80	3802.00	128	128	69.39	10.973	0.5601
4	4787.40	5069.00	128	128	67.05	8.949	0.4081
5	1197.60	1268.00	128	128	55.71	5.185	0.4618
5	2394.20	2535.00	128	128	49.08	9.343	0.5681
5	3590.80	3802.00	128	128	76.39	22.480	0.7328
5	4787.40	5069.00	128	128	100.29	37.905	0.6948
6	599.20	634.40	128	128	112.43	2.175	0.1144
6	1197.40	1267.80	128	128	111.01	2.825	0.0669
6	1795.60	1901.20	128	128	115.34	3.061	0.1464
6	2393.80	2534.60	128	128	108.92	5.637	0.3877
7	1197.60	1268.00	128	128	32.74	4.797	0.3661
7	2394.20	2535.00	128	128	30.12	5.546	0.2561
7	3590.80	3802.00	128	128	54.29	20.612	0.7421
7	4787.40	5069.00	128	128	65.78	23.253	0.4979
8	2394.40	2536.80	128	128	46.66	2.850	0.1392
8	4787.80	5072.60	128	128	99.57	17.863	0.4970
8	7181.20	7608.40	128	128	50.34	8.106	0.2012
8	9574.60	10144.20	128	128	51.08	4.874	0.3021
9	599.20	634.40	128	128	116.71	3.900	0.2089
9	1197.40	1267.80	128	128	114.14	5.110	0.1142
9	1795.60	1901.20	128	128	121.93	5.530	0.2697
9	2393.80	2534.60	128	128	110.34	10.200	0.6753

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PRODUCT FORMATTING

Product Scene Center Location (lat/long) : 48.869 -116.710
Product Scene Center Date/Time (yyyy mm dd): 2000 6 16 18:28:33.9816

Product Extent:

Lat:	49.86	-----	Lat:	49.76
Long:	-118.18		Long:	-115.10
North:	505560.00		North:	505560.00
East:	666840.00		East:	889380.00

Lat: 47.96
Long: -118.27
North: 294060.00
East: 666840.00

Lat: 47.86
Long: -115.29
North: 294060.00
East: 889380.00

EXECUTION INFORMATION

Stage	Start	End	CPU
Ingest	Fri Oct 12 10:32:51 2001	Fri Oct 12 10:36:48 2001	216.60
ModelRefiner	Fri Oct 12 10:36:52 2001	Fri Oct 12 11:07:48 2001	52.51
DemIngest	Fri Oct 12 11:08:02 2001	Fri Oct 12 11:08:40 2001	23.76
WarpDem	Fri Oct 12 11:08:42 2001	Fri Oct 12 11:08:59 2001	31.30
ImCorr	Fri Oct 12 11:09:01 2001	Fri Oct 12 11:22:06 2001	1607.09
RadQa	Fri Oct 12 11:22:08 2001	Fri Oct 12 11:22:09 2001	0.64
GeoQa	Fri Oct 12 11:22:12 2001	Fri Oct 12 11:35:59 2001	11.32
Output	Fri Oct 12 11:36:01 2001	Fri Oct 12 11:36:46 2001	18.98
Catalog	Fri Oct 12 11:38:11 2001	Fri Oct 12 11:38:13 2001	0.59
		-----	1962.79